

**Honeywell**  
**Color Weather**  
**Forecaster with**  
**Indoor/Outdoor**  
**Thermometer**

USER MANUAL

(TE601CELW)

## INTRODUCTION

Thank you for selecting the Honeywell Color Weather Forecaster with Indoor/Outdoor Thermometer.

This device includes weather forecast, pressure, precise time keeping and temperature monitoring features that you can use from the comfort of your home.

In this package you will find:

- Main unit (receiver)
- Remote sensor (transmitter) TS13
- AC/DC Adapter

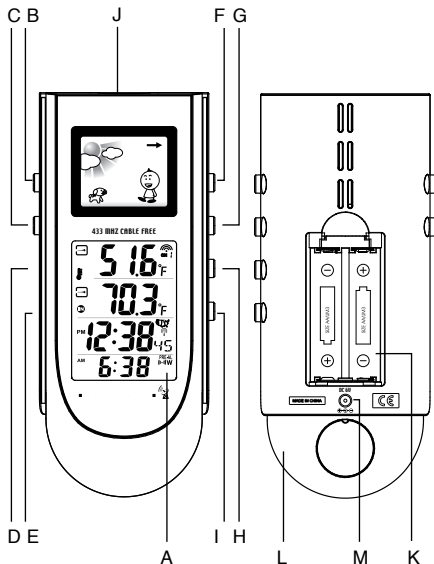
Please keep this manual handy as you use your new item. It contains practical step-by-step instructions, as well as technical specifications and precautions you should know.

## PRODUCT OVERVIEW

### MAIN UNIT

#### FEATURES

- Wireless sensor transmits temperature to the main unit from up to 100 feet away
- Multi-channel capability to monitor temperature in up to 3 remote locations
- Indoor and Remote temperature displays
- Barometric pressure condition displayed in 3 trend indicators - Rising, Steady and Falling
- Color-animated weather forecast in 5 large graphic icons: Sunny, Partly Cloudy, Cloudy, Rainy and Snowy
- Precise time and date set via RF signal from US Atomic clock
- Calendar displays date with month & weekday in English, Spanish, French, German or Italian.
- Dual crescendo alarm with snooze
- Programmable low-temperature alarm warns about icy or inclement weather conditions
- Blue Backlight
- AC/DC adapter



#### A COLOR WEATHER FORECAST WITH FOUR - LINE LCD DISPLAY

Allows easy reading of color-animated weather forecast, indoor/outdoor temperature and calendar clock.

#### B & F ALARM BUTTONS

Sets an alarm and allows displaying alarm status.

#### C CHANNEL SELECTOR

Recalls the different remote sensor reading.

#### D TOGGLE / + BUTTON:

- Selects the **WEATHER FORECAST** or **BAROMETRIC PRESSURE CHART** display mode.
- Selects the **SINGLE** or **DEFAULT (TOGGLE)** display modes.
- Increases altitude in **ALTITUDE ADJUSTMENT** mode.

#### E UNIT / - BUTTON

- Selects pressure display in mB/hPa, inHg or mmHg.
- Selects altitude adjustment display in feet or meters.
- Decreases altitude in **ALTITUDE ADJUSTMENT** mode.

#### G MODE BUTTON

Changes display modes and confirms settings.

#### H UP (▲) BUTTON

Increases the setting.

#### I DOWN (▼) BUTTON

Decreases the setting.

#### J SNOOZE/LIGHT BUTTON

Activates snooze function and LCD backlight.

#### K BATTERY COMPARTMENTS

Accommodates 2 (two) UM-3 or AA 1.5V alkaline batteries.

## L CLEAR REMOVABLE TABLE STAND

Holds unit in upright position on the flat surface.

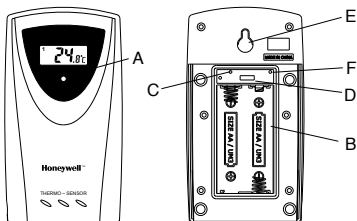
## MAC/DC 6V ADAPTOR

Activates the Color LCD.

## REMOTE SENSOR

### FEATURES

- Remote temperature transmission to the main unit via 433 MHz signal
- Case can be wall mounted using built-in hanger
- 100 feet transmission range without interference
- LCD display of measured temperature
- Temperature display selection in Fahrenheit or Celsius
- Transmission channel selection



## A LED INDICATOR

Flashes once when the remote sensor transmits a reading to the main unit.

Flashes twice indicating low battery.

## B BATTERY COMPARTMENT

Holds two AA-size batteries.

## C RESET

Resets all previous settings.

## D CHANNEL SELECTOR

Selects the desired channel *before* installing batteries.

## E WALL-MOUNT RECESSED HOLE

Keeps the remote sensor on the wall.

## F °C/°F SWITCH

Selects the temperature display in Fahrenheit or Celsius.

## BEFORE YOU BEGIN

1. We recommend using alkaline batteries for the main unit and remote sensor.
2. Avoid using rechargeable batteries.
3. Insert batteries before first use, matching the polarity as shown in the battery compartment.
4. Always install batteries in the remote sensor before the main unit.
5. Press RESET after each battery change, using paper clip or similar tool.
6. During an initial setup, place the main unit as close as possible to the remote sensor.
7. After reception is established (remote temperature will appear on the receiver's display), position the remote sensor and main unit within the effective transmission range of 100 feet.

### NOTE:

1. Avoid setting the time and date on the main unit before the outdoor temperature is displayed.
2. The effective operating range may be influenced by the surrounding building materials and how the receiver and transmitter are positioned.

3. Position the remote sensor so that it faces the main unit (receiver), minimizing obstructions such as doors, walls, and furniture.
4. Though the remote sensors are weather-resistant, they should be placed away from direct sunlight, rain or snow.

## BATTERY INSTALLATION

### REMOTE SENSOR

NOTE: Install the batteries; select the channel and type of temperature (°C/°F) before you mount the sensor.

1. Remove the screws from the battery compartment with a small Phillips screwdriver.
2. Set the channel. The switch is located in the battery compartment. Channel 1 is typically selected if only 1 remote sensor is being used.
3. If you are using more than one sensor, select a different channel for each sensor.
4. Install two "AA" size alkaline batteries (not included) matching to the polarities shown in the battery compartment.
5. Replace the battery compartment door and secure the screws.
6. Secure the remote sensor in the desired location.


## BATTERY INSTALLATION

### MAIN UNIT

1. Open the battery compartment door.
2. Install 2 batteries (UM-3 or "AA" size 1.5V) matching the polarity as shown in the battery compartment.
3. Replace the battery compartment door.
4. Connect the 6V AC/DC adapter to activate the Color LCD display.

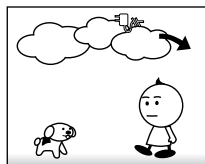
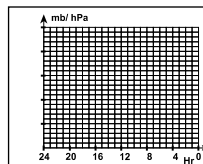
NOTE: AC/DC adapter should be connected at all times, even during the battery replacements, otherwise barometric pressure history will be lost.

## LOW BATTERY WARNING

A low-battery indicator [  ] will appear on the indoor or remote temperature reading line of the main unit warning that the corresponding batteries have to be replaced.

Once AC/DC adapter is connected, the Color display will toggle (TOGGLE mode) between the following modes:

mb/ hPa  
1 2 3 4 5 6 7 8 9 0 inHg



After the AC/DC adapter is connected to the main unit, the color LCD will be activated. It will toggle with 10 seconds delay between barometric pressure history chart and cartoon-animated weather forecast.


The main unit can be programmed to display just one of the above.

## HOW TO USE THE TABLE STAND

The main unit has a removable transparent table stand, which supports the unit on the flat surface. The remote sensor can be mounted on the wall, using wall-mount recessed hole or placed on a flat surface.

## GETTING STARTED

After batteries are installed, remote sensor(s) will transmit a temperature readings at 45 second intervals. The main unit may take up to 2 minutes to receive the initial readings. Upon successful reception, remote temperature will be displayed. The main unit will automatically update readings at 45-second intervals.




If no signals are received from the remote sensor (s) within 2 minutes, dashes "----" will be displayed. Press and hold [  ] button on the main unit for 2 seconds to initiate another signal search.

## CHECKING REMOTE AND INDOOR TEMPERATURES

The wave icon on the main unit's display located near the remote sensor reading line, indicates a good reception from the remote sensor. If the temperature goes above or below the temperature operating range stated in specifications, the display will show dashes "---."

## READING THE KINETIC WAVE DISPLAY

The kinetic wave display shows the main unit (receiver) signal reception strength.

The unit is in searching mode.	
Temperature readings securely registered.	
No signals.	

## WWVB RADIO CONTROLLED TIME

The NIST (National Institute of Standards and Technology) radio station is located in Ft. Collins Colorado. It transmits an exact time signal continuously throughout the continental United States at 60 KHz frequency. The Color Weather Forecaster with Indoor/Outdoor Thermometer can receive this WWVB signal through its internal antenna from up to 2,000 miles away. Due to the nature of the Earth's ionosphere, reception can be limited during the daylight hours. The radio controlled clock will search for an alternate station that derives its signal from the NIST Atomic clock in Boulder, Colorado.

The WWVB tower icon on the main unit's display will flash indicating radio signal reception from the WWVB station. If the tower icon is not fully lit, or if the time is not set automatically, please consider the following:

- \* During night-time hours, atmospheric disturbances are typically less severe and reception may improve. A single daily reception is sufficient enough to keep the accuracy reading within 1 second.




- \* Make sure the main unit is positioned at 8 feet minimum distance from any interference source such as a TV, computer monitor, microwave, etc. The successful reception of the atomic time signal depends on the positioning and location of the clock. Always place the main unit by the window for better reception.
- \* Within concrete wall rooms such as basements or office buildings, the received signal may be weakened. Always place the unit near the window.

## MAXIMUM AND MINIMUM TEMPERATURES

The maximum and minimum record of the indoor and remote temperature will be automatically stored in the memory of the main unit (receiver). Main unit will display the minimum, maximum and the current reading upon each press the "CHANNEL" and "▼" at the same time. The unit will return to the current temperature display in 15 seconds. To clear the memory, press and hold "CHANNEL" for 3 seconds and all stored readings will be erased.

## TEMPERATURE TRENDS

The temperature trend indicator shows the trend of temperatures collected at particular remote sight. There are three trends will be shown: rising, steady, and falling.

Arrow indicator			
Temperature Trend	Rising	Steady	Falling

## WEATHER FORECAST

The Weather Forecaster is capable of detecting atmospheric pressure changes. Based on collected data, it forecasts the weather for the next 12 to 24 hours. The weather forecast is shown in fun cartoon characters on the main unit's color display.

When the display shows...			
Forecast is...	Sunny	Partly Cloudy	Cloudy
When the display shows...			
Forecast is...	Rainy	Snowy	

### NOTE:

1. The weather forecast accuracy is approximately 70%.
2. Display shows forecasted, not current conditions.
3. The "Sunny" icon indicates clear weather, even when displayed during night-time.

## BAROMETRIC PRESSURE

The barometric pressure arrows indicate if pressure is rising, steady, or falling.

Arrow indicator			
Pressure Trend	Rising	Steady	Falling

## BAROMETRIC PRESSURE HISTORY CHART

- A. Displays barometric pressure history for the past 24 hours in chart format.
- B. Displays barometric pressure in numerals inHg, mmHg or mb/hPa.

## ALTITUDE ADJUSTMENT

Allows entering altitude in feet or meters

Press and hold **TOGGLE/+** key along with **UNIT/-** simultaneously for 2-3 seconds (Altitude adjustment screen will appear on the color display for 8-9 seconds).

Press **TOGGLE/+** key to increase altitude.

Press **UNIT/-** key to decrease altitude.

If none of these keys pressed during 5-second period, display will return to the original display and the last altitude setting will be stored in memory automatically.

NOTE: All of the historical pressure data will be cleared once an altitude has changed.

The main unit's color display can be

set for two modes - default (TOGGLE) and SINGLE.

## DEFAULT (TOGGLE) MODE

Toggles between cartoon-animated color weather forecast and barometric pressure history chart with 10 seconds delay.

After AC adapter is connected, the TOGGLE mode will be activated automatically.

## SINGLE DISPLAY MODE

Shows only when selected by the user by pressing

**TOGGLE/+** button:

- 1). Weather forecast with animated cartoon images.
- 2). Barometric pressure history in chart format for the past 24 hours with pressure in numerals.

### LOST COMMUNICATION

If the main unit display for the remote sensor goes blank, press and hold [ ▼ ] button for 2 seconds to begin a new signal search. If the signal still isn't received, please make sure that:

1. The remote sensor is in the proper location.
2. The distance between the main and remote units is not over 100 feet.
3. The path between units is clear of obstacles. Shorten the distance between units if necessary.
4. Fresh batteries are installed correctly in both remote sensor and main units.

Note: When the temperature falls below freezing, the batteries in outdoor remote sensor(s) may have reduced voltage supply and a shorter effective range. We recommend to

If everything listed above is in order and there is no reception anyway, please perform the following steps:

1. Bring main unit and remote sensor close together.
2. Remove 4 small screws from the back of the remote sensor and open the battery compartment.
3. Remove the batteries from the battery compartment and reinstall them in the same manner. Remote sensor LED indicator will flash showing transmission of the signal.
4. Remove the batteries from the main unit and reinstall them in the same manner.
5. On the main unit select the same channel number as set on the remote sensor. Outdoor temperature on the display will show that transmission is being received successfully.

### TRANSMISSION COLLISION

Signals from other household devices, such as doorbells, home security systems, and entry controls, may interfere with this product and may cause temporary reception failure. This is normal and will not affect the general performance of the product. The transmission and reception of temperature readings will resume once the interference subsides.

### HOW TO SET THE RADIO CONTROLLED CLOCK

1. After the main unit receives temperature readings from the remote sensor(s), the WWVB time signal receiver will automatically search for the time signal. This takes about 5-8 minutes. Always place the main unit by the window for better reception.
2. If the radio signal is received, the date and time will be set automatically, and the [ ▲ ] icon will appear.
3. If after 8 minutes the time signal has not been received, press the "MODE" button to set the time manually. The clock will continue to search for the WWVB time signal daily from 1:00 am to 4:30 am. When the signal has been successfully received, the time and date will be updated automatically.

### CALENDAR AND CLOCK DISPLAY MODES

The date is displayed in month-date format. Each press of the **MODE** button will change the clock display setting between the time with the seconds, and the time with the day of week.

### MANUAL SETTINGS TIME ZONE

1. Select the time zone by pressing and holding the "▲" button for 3 seconds.
  2. Keep holding until the desired time zone (Pacific, Mountain, Central or Eastern) is selected on the display map.
  3. Press **MODE** to confirm selected Time Zone
- YEAR, DATE, TIME, TEMPERATURE UNIT**  
Press and hold **MODE** for 3 seconds: the year will flash. Press "▲" or "▼" to change the flashing digits. After the first value is set, press **MODE** again. Continue setting day, month, hour, minutes, weekday language and Fahrenheit or Celsius display. When you've set the last value, press **MODE** for the last time to return to regular mode.



## SETTING THE ALARM

To set any alarm,

1. Press [ALARM] once to display alarm time.  
If the alarm is off, "OFF" will be displayed.
2. Press and hold [ALARM] for two seconds.  
The hour digit will flash.
3. Enter the hour using [▼] or [▲].
4. Press [ALARM] again. The minute digits will flash.
5. Enter the minutes using [▼] or [▲].
6. Press [ALARM] again to exit.
7. Repeat the same procedure to set any of alarms (weekly, daily or pre-alarm).

## SNOOZE

When the alarm sounds, press the **SNOOZE/LIGHT** button to temporarily stop the alarm. If not disabled, the alarm sound will resume after 5 minutes.

If the alarm is not disabled after that, it will sound for 4 more minutes and then will stop by itself.

## DISABLING ALARM

Press [ALARM] button on the main unit to disable any alarm.

## ALARMS

### \* Weekday Alarm

The alarm will sound and the alarm icon will flash at the set time Mondays through Fridays.

### \* Single Day Alarm

The alarm will sound and the alarm icon will flash at the set time, but will not activate on subsequent days.

### \* Pre-Alarm

If an outdoor temperature is 32° F/0° C or below, the pre-alarm feature will be activated. The pre-alarm time interval can be set for 15, 30, 45, 60, 75 or 90 minutes before the weekday or single alarm time. Press and hold [ALARM] button for two seconds in Pre-Alarm mode to set the pre-alarm interval.

"(W" (Weekday alarm), "(S" (Single day alarm), and "Pre-AL" (Pre-alarm) icons will indicate which alarm mode is armed. You can enable or disable an alarm by pressing the [▲], [▼] buttons in alarm display mode. Press **MODE** to toggle between alarm modes or to return to the default display.

## PRECAUTIONS

This product is engineered to give you years of satisfactory service if handled carefully. Here are a few precautions:

1. Do not immerse the units in water.
2. Do not clean the units with abrasive or corrosive materials.  
They may scratch the plastic parts and corrode the electronic circuits.
3. Do not subject the product to excessive force, shock, dust, temperature, or humidity, which may result in malfunctions, shorter lifespan, damaged batteries, and damaged parts.
4. Do not tamper with the units' internal components. Doing so will invalidate the warranty and may cause damage.  
These units contain no user-serviceable parts.
5. Use only fresh batteries. Do not mix new and old batteries.
6. Read the user's manual thoroughly before operating the units.

## **SPECIFICATIONS**

### *Temperature Measurement*

#### *Main unit*

##### *Indoor Temperature*

Proposed operating range : -5°C to +50°C /  
23°F to 122°F  
Temperature resolution : 0.1°C/ 0.2°F

#### *Remote Sensor*

Proposed operating range  
with alkaline batteries : -20°C to + 70°C /  
-4°F to 158°F

Proposed operating range  
with lithium batteries : - 38°F to 158°F  
( - 38.8 °C to 70°C)

Temperature resolution : 0.1°C/ 0.2°F

RF Transmission Frequency : 433 MHz

Maximum number of Remote sensors : 3

RF Transmission Range : Maximum 100 feet

Temperature sampling cycle : approximately  
45 seconds

### *Calendar and Clock*

12 hour display in hh : mm format

Date Format: Month – Day format

Day of week: User- selectable in 3 languages  
(English, Spanish, French)

Dual 4-minute crescendo alarm with snooze

Pre-alarm for ice alert with programmable time intervals

Blue Backlight

### *Power*

Main unit : 2 x UM-3/ AA (1.5V) batteries  
- alkaline are suggested (not included)  
: AC/ DC Adapter  
(AC120V, 60Hz-DC6.0V, 120mA).

Remote Sensor : 2 x UM-3/ AA (1.5V) batteries  
- alkaline are suggested (not included)

### *Dimensions*

Main unit : 2.8”(L) x 7.09”(H) x 2.8”(D)

Remote sensor : 2.38”(L) x 4”(H) x 1” (D)

## **FCC STATEMENT**

This device complies with Part 15 of the FCC Rules.

Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and

(2) This device must accept any interference received,  
including interference that may cause undesired operation.

**Warning:** Changes or modification to this unit not expressly  
approved by the party responsible for compliance could void  
the user's authority to operate the equipment.

**NOTE:** This equipment had been tested and found to comply  
with the limits for a Class B Digital device, pursuant to  
Part 15 of the FCC Rules. These limits are designed to  
provide reasonable protection against harmful interference  
in a residential installation. This equipment generates, uses  
and can radiate radio frequency energy and, if not installed and  
used in accordance with the instructions, may cause harmful  
interference to radio communications.

However, there is no guarantee that interference will not  
occur in a particular installation. If this equipment does cause  
harmful interference to radio or television reception, which  
can be determined by turning the equipment off and on, the  
user is encouraged to try to correct the interference  
by one or more of the following measures:

Reorient or relocate the receiving antenna.

Increase the separation between the equipment and receiver.

Connect the equipment to an outlet on a circuit different  
from that to which the receiver is connected.

Consult the dealer or an experienced radio / TV technician  
for help.

## DECLARATION OF CONFORMITY

We

Name: Hideki Electronics, Inc.  
Address: 7865 SW Mohawk, Tualatin, OR 97062  
Telephone No.: 1-503-612-8395

declare that the product

Product No.: TE601CELW  
Product Name: Color Weather Forecaster with Wireless  
Indoor/Outdoor Thermometer  
Manufacturer: Hideki Electronics Ltd.  
Address: Unit 2304-06, 23/F Riley House, 88 Lei Muk Road,  
Kwai Chung, New Territories, Hong Kong

is in conformity with Part 15 of the FCC Rules. Operation is  
subject to the following two conditions:

1. This device may not cause harmful interference.

This device must accept any interference received, including  
interference that may cause undesired operation.

The information above is not to be used as contact for support  
or sales. Please call our customer service hotline  
(refer to the warranty statement) for all inquiries instead.

## STANDARD WARRANTY INFORMATION

This product is warranted from the manufacturing defects for  
one year from date of retail purchase. It does not cover  
damages or wear resulting from accident, misuse, abuse,  
commercial use, or unauthorized adjustment and repair.

Note that online product registration is required to ensure  
valid warranty protection.

To register your product, go to our Company website at:  
[www.hidekielectronics.us](http://www.hidekielectronics.us). Click Online Product Registration  
under the Customer Service menu.

Should you require assistance with this product and its  
operation, please contact our

Customer Service Hotline 1(866) 443 3543

Please direct all returns to the place of the original purchase.

Should this not be possible, contact Customer Service Hotline  
for assistance and to obtain a Return Merchandise Authorization  
(RMA). Returns without a return authorization will be refused.  
Please retain your original receipt as you may be asked to  
provide a copy for proof of purchase.

Hideki Electronics, Inc. reserves the right to repair or replace  
the product at our option.

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Honeywell Intellectual Properties Inc.  
Honeywell International Inc. makes no representations or  
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